

13281 U.S. PTO
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SHOE SUSPENSION SYSTEM

Cross-Reference To Related Applications

This application is a continuation of non-
provisional application no. 10/717,915 ^{now abandoned,} of prior U.S.
provisional application nos. 60/427,959, filed November 21,
2002, and 60/491,260, filed July 31, 2003. The entire
contents of all the above applications are hereby
incorporated by reference.

10

BACKGROUND OF THE INVENTION

Technical Field

The present invention relates to the general art of boots and shoes, and to the particular field of impact absorbing and energy return mechanisms associated with boots and shoes.

Prior Art

It has long been known, that when people walk, jog, or run, a significant percentage of their forward kinetic energy is wasted and lost. This loss results in shock which is caused by a person's foot impacting with the ground. How to store and release this energy loss is the overall problem. Existing devices involve an assemblage of different types of springs adhered to the base of a shoe. Generally, the higher the assemblage elevates a user's foot above the ground, the